

# Environmental Award City of Mannheim

Start



2000 - 2005

# Environmental award: 293rd BSB six-peats

For the sixth year in a row Mannheim's 293rd Base Support Bn. environmental office has received an environmental award from the city of Mannheim. This year's award, for the 293rd BSB environmental office's pollution prevention program, was presented July 14. Mary Kay Foley, chief of the Environmental Management Division, said, "Our goal is to stop pollution before it starts."

The 293rd BSB has begun several pollution prevention initiatives, including energy-saving measures, pollution prevention awareness programs and projects to reduce the amount of hazardous waste generated on post.

Some of the ways Mannheim community is striving to prevent pollution include the installation of automatic light sensors in office buildings, and installing solar panels to reduce electricity use.



**Mannheim Mayor Mechthild Fürst-Diery (left) presents an environmental award to Larry Scavone, director of public works, and Mary Kay Foley, chief of the environmental management division.**

*courtesy photo*

The BSB has also started installing water-saving faucets and shower heads. The BSB promotes awareness of energy saving methods through conducting training and activities with Mannheim-area schools. The BSB stresses the importance of the recycling program by distributing recycling guides, conducting tours of the SORT (Separate or Recycle Trash) center, and holding recycling field trips and training with the Mannheim-area schools.

The trash recycling program saves the Mannheim community more than \$1 million a year in trash disposal costs. Yellow bag and recycled paper can be disposed of free of charge, while other trash and improperly sorted recyclables cost Euro 291 per ton for disposal.

Another goal of the pollution prevention program is to reduce the amount of hazardous waste generated by unit activities. The environmental office has started several projects to reduce this waste, including special wash equipment that will reduce the amount of solvent used to clean parts, and biological solutions that clean parts without using hazardous chemicals. The environmental office also installed anti-freeze recycling units to reduce the use and disposal of antifreeze.

For more information on pollution prevention, contact environmental management division chief Mary Kay Foley at 381-8675. Recycling guides and yellow bags are available at the DPW service order desk, SORT center, self-help store.

# 2000 - 2005

The city of Mannheim announces annually the environmental award endowed in 2005 with **10,000 Euro**.

The goal of the competition is to honor exemplary achievements in any environmental field in the city and surrounding areas.

Anyone can take part in this environmental competition. Beautification projects will not be honored.

**45 participants** in 2005 set a new record.

The environmental management division first applied for the award in 2000 and has been successful every year.

## The Rules



# 2000

## TES SURVEY

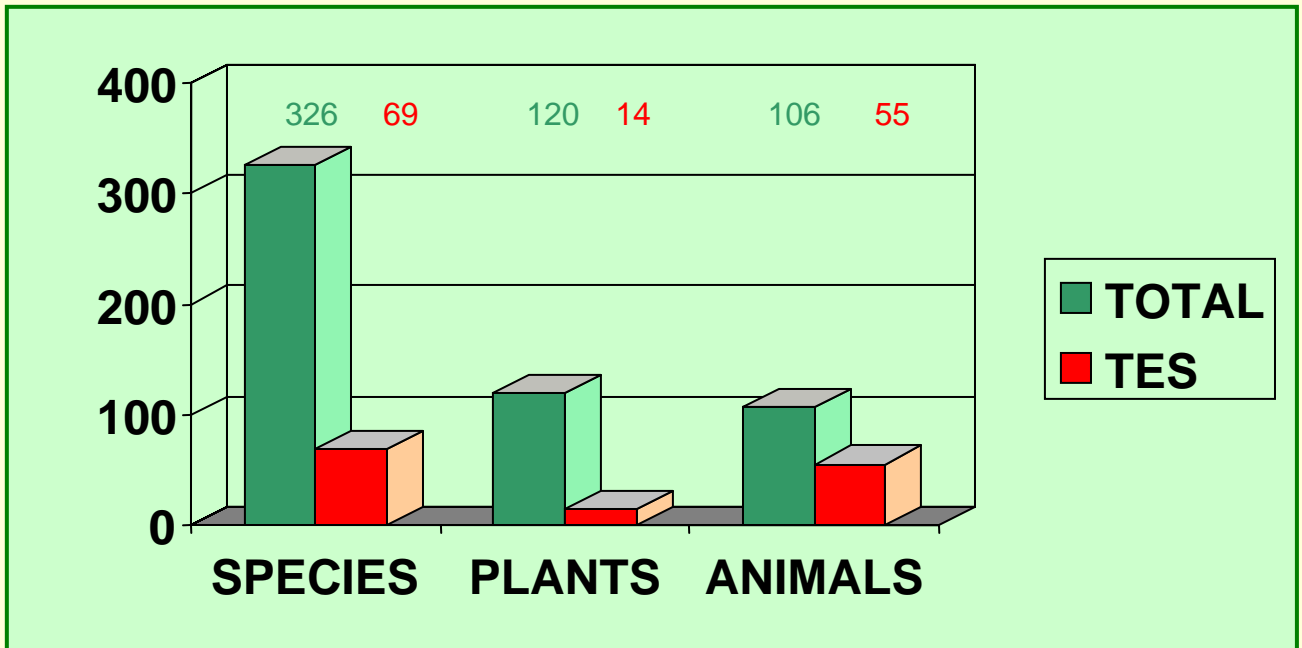
Threatened and endangered species survey at  
Coleman Barracks

### COLEMAN AIRFIELD



2000

# SPECIES SURVEY COLEMAN AIRFIELD

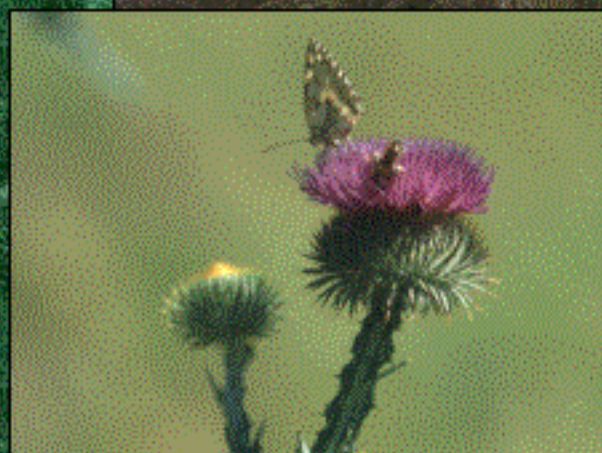
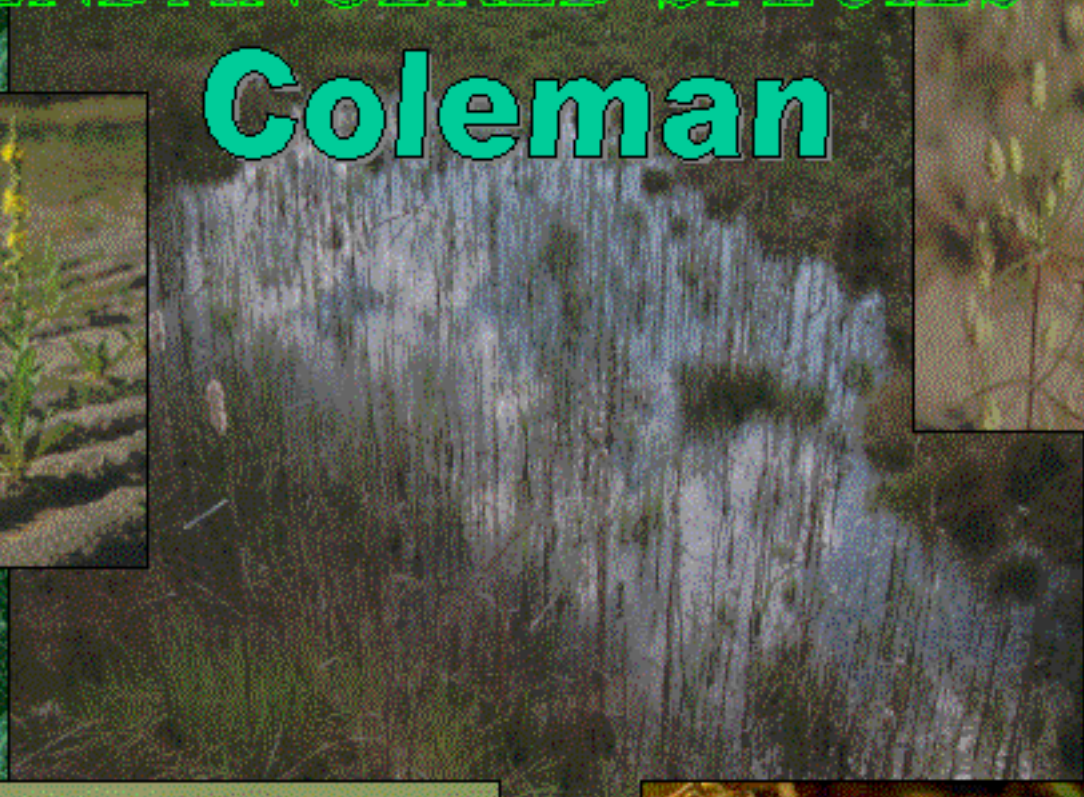


21,2% Red Book Species



# ENDANGERED SPECIES

**Coleman**





# U M W E L T P R E I S

2000

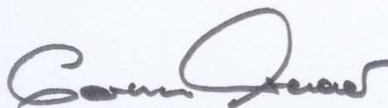
Mit freundlicher Unterstützung der  
ABG Abfallbeseitigungsgesellschaft mbH

Als Auszeichnung für Leistungen auf  
dem Gebiet des Umweltschutzes inner-  
halb der Gemarkung Mannheim wird

*293 D Base Support Batallion  
US Army Europe*

ein *Sonderpreis* verliehen.

Mannheim, im Juni 2000



Gerhard Widder  
Oberbürgermeister



# 2001

## "Enhance existing wetlands at Taylor Barracks"

### The installation of a windmill

The windmill provides a continuous flow of water to the biotope, keeping it permanently wet.





# 2001



Location of “Swampy meadow” in Taylor Barracks,  
protected § 24a-biotope of the city of Mannheim

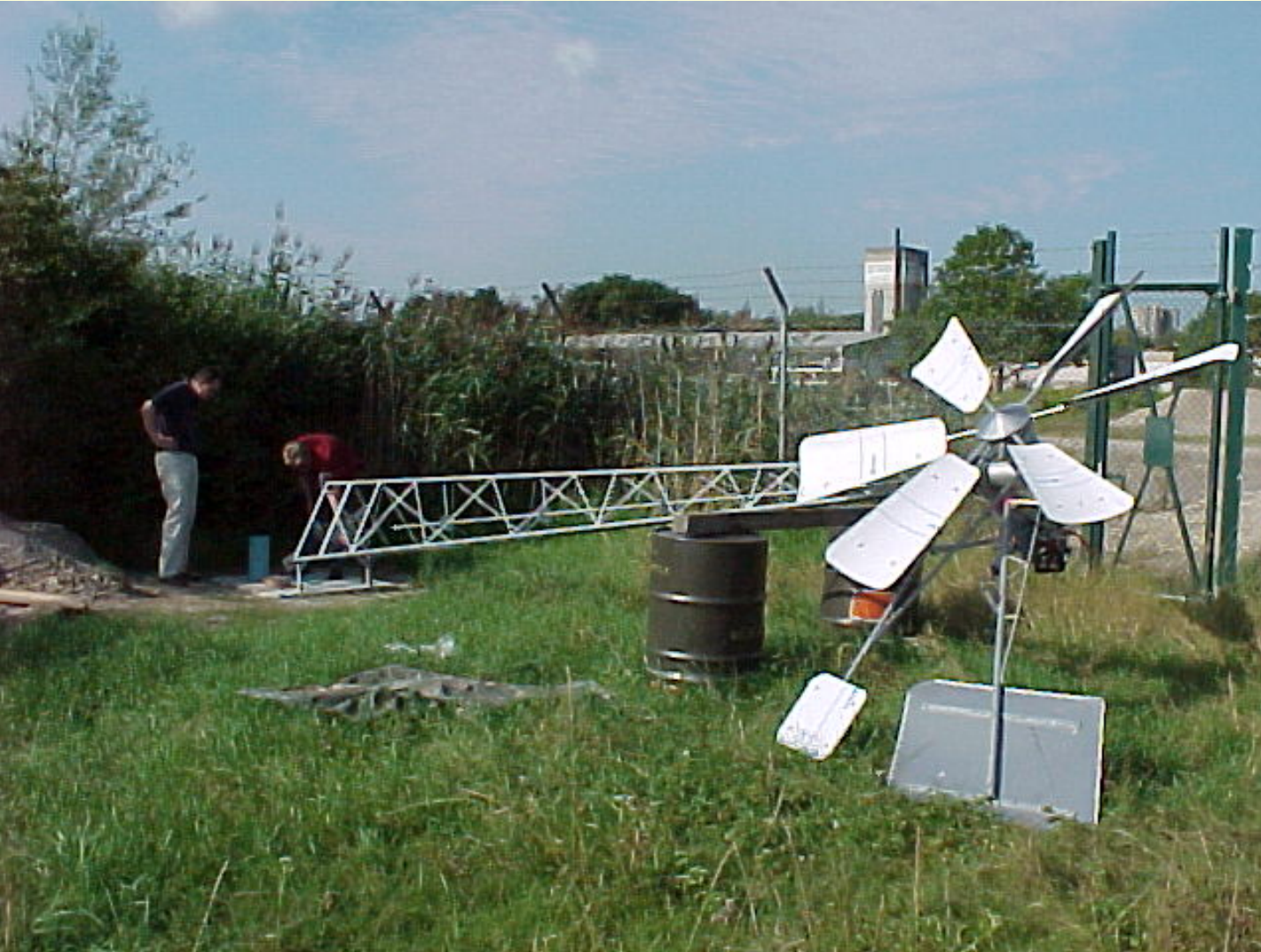


# 2001



The recording of the actual flora shows, that the protected §24a-biotope consists of 6 types of biotopes in close contact with each other. Forest-free swamps, Swamp rush-reeds, Reed mace reeds, Pond rush-reeds, and Lake shore-reeds.

# 2001



The windmill is able to pump up to 1,800 Liters per hour from a depth of 15 meters.



# 2001

By the way: Presenter and preparer of this presentation



**Franz Schork**

Environmental Protection Specialist

381-7035

**Bernd Weinerth**

Environmental Protection Specialist

381-7007

# 2001



...and Geb is supervising the job.



# 2001



but your job is never done...

Gazebo added one year later



# U M W E L T P R E I S

2001

Mit freundlicher Unterstützung der  
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Als Auszeichnung für Leistungen auf  
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halb der Gemarkung Mannheim wird

*der Umweltschutzabteilung  
der Amerikanischen Streit-  
kräfte in Mannheim*

ein *Sonderpreis* verliehen.

Mannheim, im Juni 2001



Gerhard Widder  
Oberbürgermeister



# 2002

## Develop a natural vegetation and wildlife zone

The idea was to develop a natural vegetation and wildlife zone at former firing station at Coleman Barracks based on recommendations given in threatened and endangered species survey conducted in 1998. The project was designed to promote continued existence of TES, enhance biodiversity at the site but not to interfere with mission requirements.





# 2002

## Develop a natural vegetation and wildlife zone

### Measure 1 Create a permanent pond

The project included work to clean out the pool area from weeds/undesirable vegetation and to support an existing small water retention pond by enlarging and installing a clay type lining material to provide better conditions for the existing flora and fauna and further establishment of species.

**Implementation of the measures in pictures / *Umsetzung der Maßnahmen in Bildern***

**Enlargement of the pond / *Vergrößerung des Tümpels***





# 2002

## Develop a natural vegetation and wildlife zone

### **Measure 2 Promote existing dry sand meadow**

An extremely valuable dry sand meadow, southwest from the bunkers was endangered by the emergence of small wood reed. In this area the development of the dry sand meadow was promoted by removal of the vegetation and the upper soil.

**Implementation of the measures in pictures / *Umsetzung der Maßnahmen in Bildern***

**Development of the dry sand meadow area / *Entwicklung der Sandrasenfläche***



# 2002

**Promote existing dry sand meadow**



Removal of existing vegetation



# 2002

## Promote existing dry sand meadow



Removal of the upper soil

# 2002

## Promote existing dry sand meadow



After a few weeks



# 2002

Examples of the first plants in the area



*Verbascum densiflorum*

# 2002

Examples of the first plants in the area



*Barbarea vulgaris*



# 2002

Examples of the first plants in the area



*Trifolium arvense*

# U M W E L T P R E I S

2002

Mit freundlicher Unterstützung der  
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halb der Gemarkung Mannheim wird

*dem*  
*293D Base Support Battalion*  
*US Army Mannheim*

ein *Sonderpreis* verliehen.

Mannheim, im Juli 2002

*Gerhard Widder*

Gerhard Widder  
Oberbürgermeister





# 2003

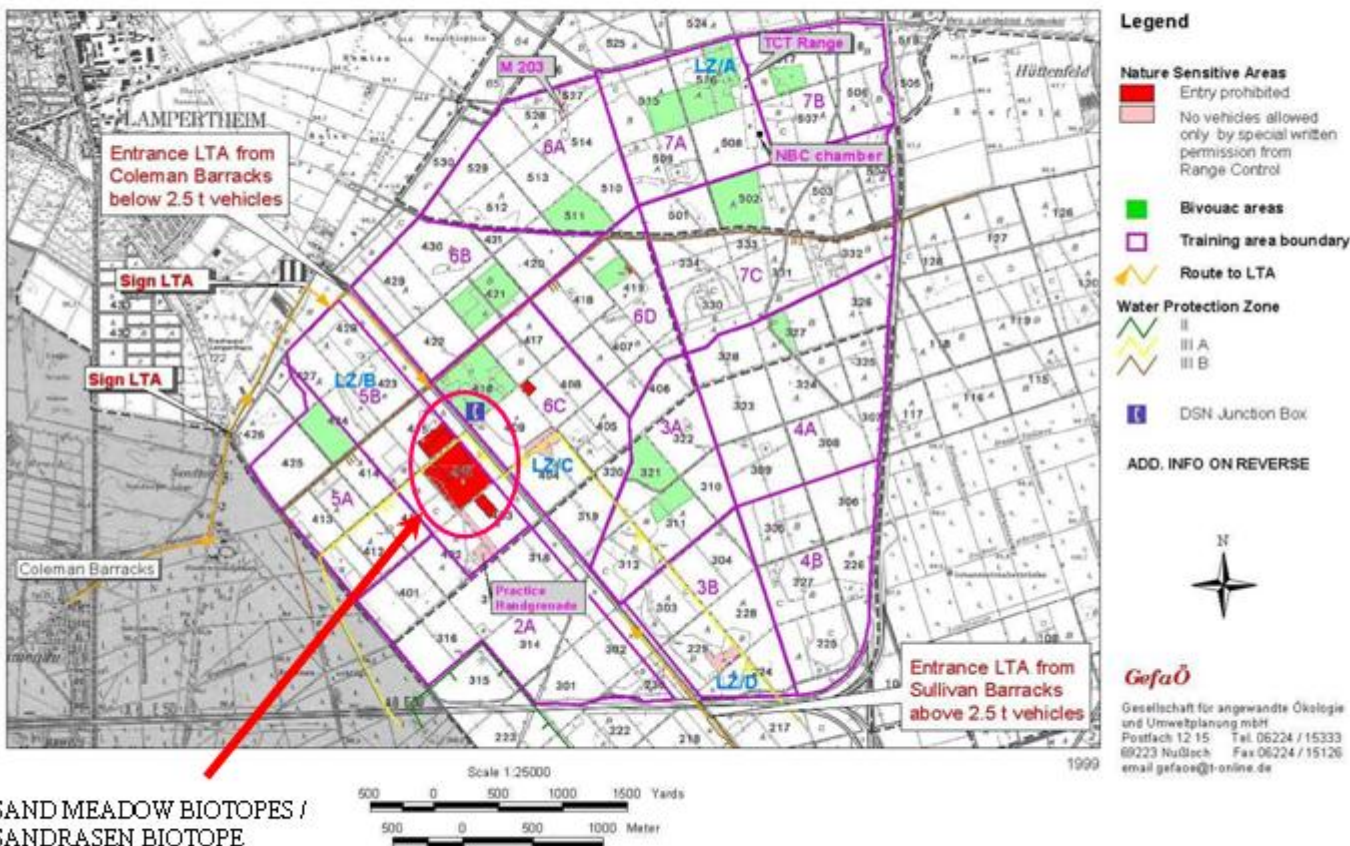
## “Protect sand meadow Biotopes at LTA”

Maintain (= keep open) the existing non-wooded areas, so that a functional sand vegetation can develop on the existing drift-sand and continental dune areas.



## "Protect sand meadow Biotopes at LTA"

## LOCAL TRAINING AREA (LTA) LAMPERTHEIM





# 2003

"Protect sand meadow Biotopes at LTA"



# 2003

"Protect sand meadow Biotopes at LTA"



Removal of pine trees



# 2003

"Protect sand meadow Biotopes at LTA"



Removal of trees (Robinien)

# 2003

## "Protect sand meadow Biotopes at LTA"



Dune after work was completed



# 2003

## "Protect sand meadow Biotopes at LTA"

### LTA BIOTOPE WITH ENDANGERED SPECIES/MIT GEFÄHRDETEN ARTEN



Weg-Distel, Wetland thistle Rote Liste, Red book: BW 5 Verschiedene Fundorte Different areas within the LTA



Blut-Storchschnabel, Bloody cranesbill Rote Liste, Red book LTA 3, 6, 10



(*Calliptamus italicus*)

Rote Liste, Red book (D 1, HE 1, BW 1)  
(1 = Near extinct), LTA 1, 3, 4, 5, 9, 10

Silbergras, Grey hair-grass

Rote Liste, Red book, LTA 1, 2, 3, 4, 5, 6, 9, 10

# U M W E L T P R E I S

2003

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*dem 293D Base  
Support Battalion  
Mannheim der US Army*

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Mannheim, im Juli 2003



Gerhard Widder  
Oberbürgermeister



STADT MANNHEIM<sup>2</sup>



# 2004

## The SORT Center Concept

### Operating Policy

“Separate Or Recycle Trash”

Inherently the name of the facility located at Taylor Barracks shows the intent of the US-Army: to reduce trash, or ideally to avoid trash.

The SORT Center serves as a central collection point for authorized users to discard, screen, or remove materials.







# 2004

## The SORT Center Concept



Sort Center has about 7,000 customers a year

And handles a total of 615 tons of recyclable materials

# U M W E L T P R E I S

2004

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Mannheim, im Juli 2004



Gerhard Widder  
Oberbürgermeister



STADT MANNHEIM <sup>2</sup>



# 2005

## P2 The Pollution Prevention Concept

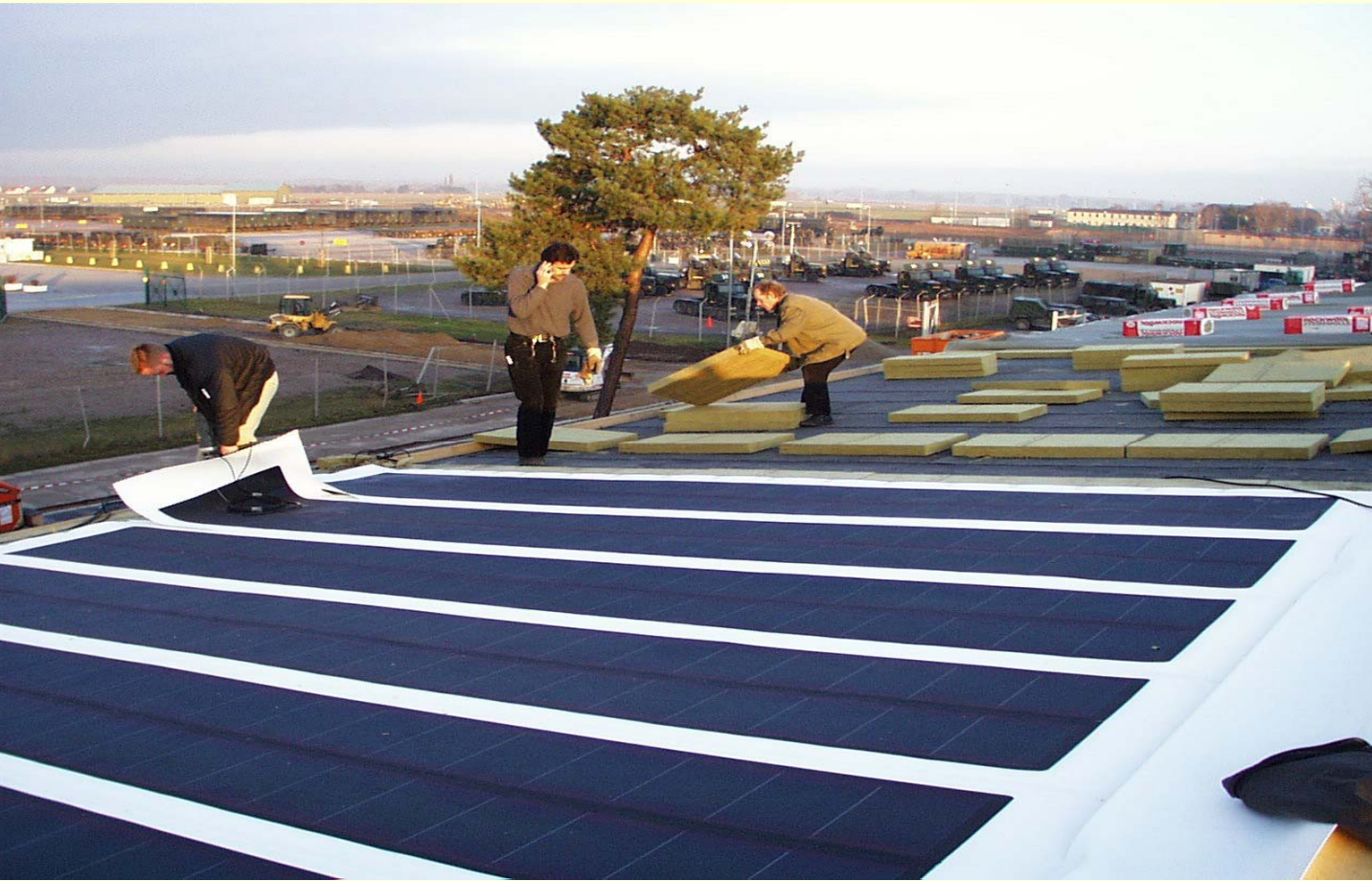
The P2 program includes the identification of the main pollutant sources and material users. Pollution prevention opportunities are then assessed to reduce generation of waste, procurement of hazardous material, energy and water use, air emissions and fuel use.



Engine oil cleaner

# 2005

## P2 The Pollution Prevention Concept



Photovoltaic at Coleman Barracks, Building # 57

At present 5 buildings produce 12,000 KWH per year



# 2005

## P2 CONCEPT / KONZEPT

### PARTS CLEANER



### TEILE REINIGER

#### Bio-Circle

The water-based cleaning agent includes natural micro-organisms. Oil and grease are immediately and biologically changed by the micro-organisms. That grants very good cleaning results and extending life-span of the cleaning bath. Free of VOC.

Das wässrige Reinigungsmedium enthält natürliche Mikroorganismen, die Öle und Fette sofort abbauen. Das garantiert ausgezeichnete Reinigungsleistungen bei langen Badstandzeiten. VOC-frei.

### AUTOMATIC PAINT GUN WASHER

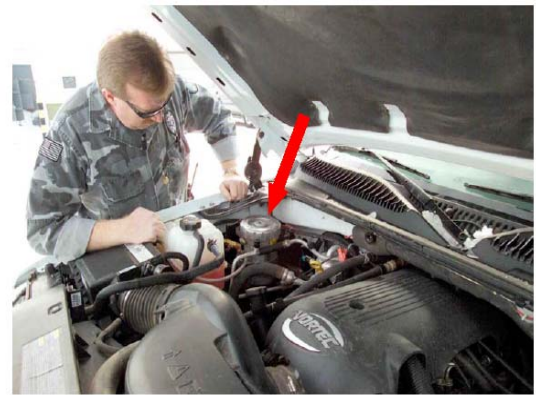
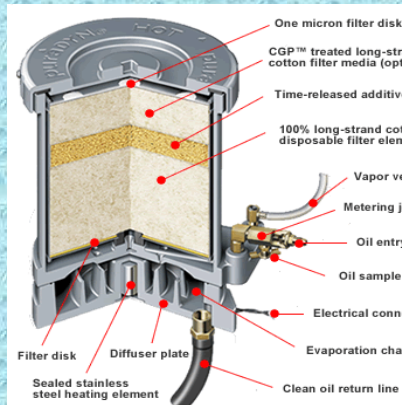


### AUTOMATISCHE FARBSPRITZ- PISTOLEN REINIGUNG

### ANTI FREEZE CLEANER / FROSTSCHUTZREINIGUNG



#### SPECIAL OIL FILTER / ÖL SPEZIAL FILTER



And a few examples of smaller P2 equipment

# U M W E L T P R E I S

2005

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# 2000 - 2005



## The Prizes





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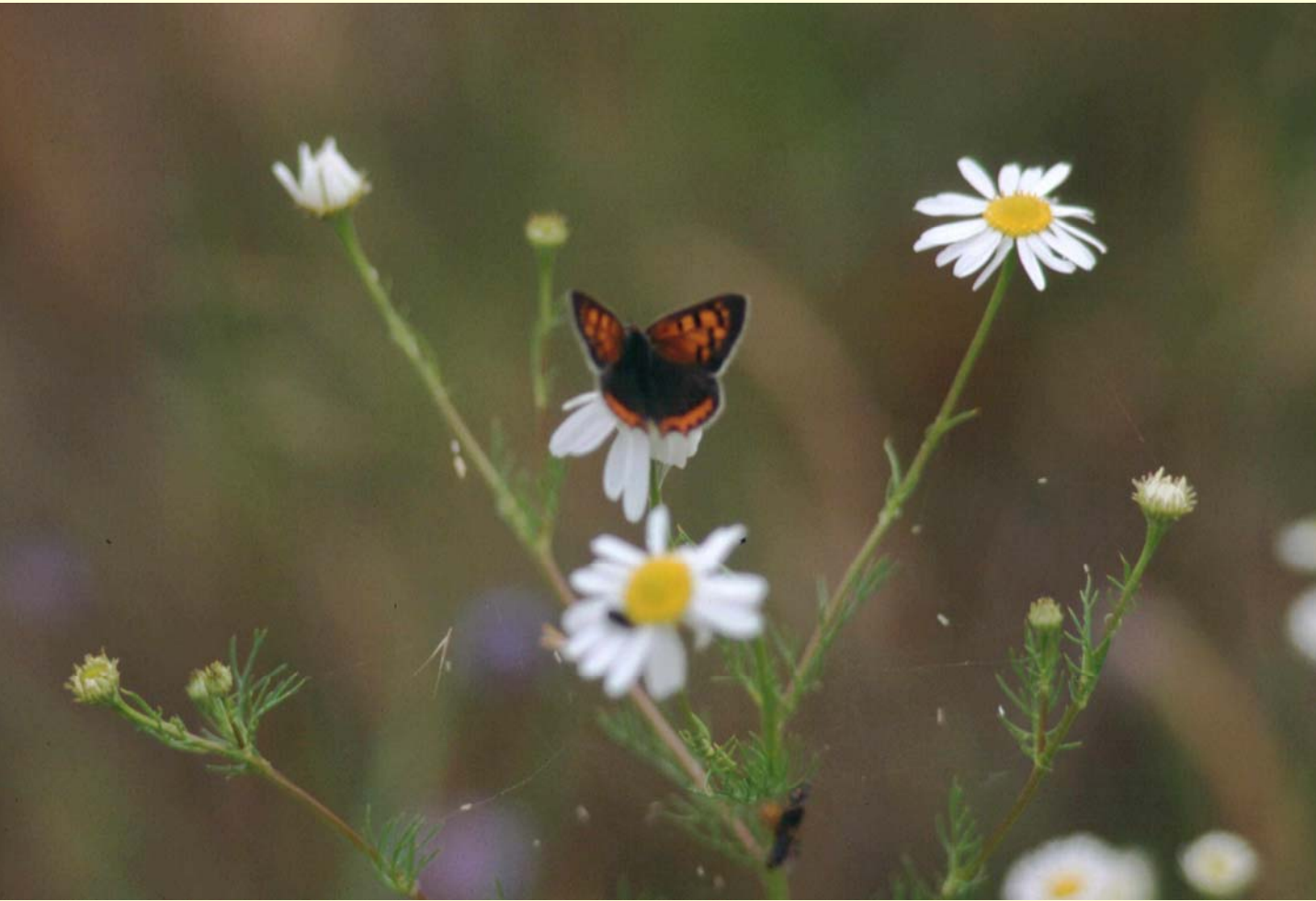
381-7007

For additional information feel free to contact us or  
stop by at Mannheim Taylor Bks.

**Thank you**

# Environmental Award City of Mannheim

End



2000 - 2005